

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025263**Date Inspected:** 22-Jul-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC) Chanxing Island**Location:** Shanghai, China**CWI Name:** Mr. Shi Lei**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance Inspector (QA), Fabian Kumar Selvanayaham, was present during the times noted above for observations relative to the work being performed.

OBG Trial Assembly Yard

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) welding of weld joint DP3153-001-007 and 008 located on deck panel of OBG Segment 13W. ZPMC Welder is identified as 044541. ZPMC Quality Control (QC) is identified as Mr. Sun Tian Liang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-4314-Tc-U4b-1.

SMAW welding of weld joint DP3154-001-001 and 002 located on deck panel of OBG Segment 13W. ZPMC Welder is identified as 045196. ZPMC Quality Control (QC) is identified as Mr. Sun Tian Liang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-4314-Tc-U4b-1.

SMAW welding of weld joint DP3126A-001-026 and 027 located on deck panel of OBG Segment 13W. ZPMC Welder is identified as 067571. ZPMC Quality Control (QC) is identified as Mr. Sun Tian Liang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-2114-FCM-1.

SMAW welding of weld joint DP3155-001-007, 008 and 011 located on deck panel of OBG Segment 13W.

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## WELDING INSPECTION REPORT

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ZPMC Welder is identified as 045268. ZPMC Quality Control (QC) is identified as Mr. Sun Tian Liang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-4314-Tc-U4b-1.

Visual Inspection after Painting at Segment 13AW internal

This Quality Assurance (QA) Inspector performed random visual inspection of OBG Segment 13AW internal Deck panel, side panel, longitudinal diaphragm, bottom panel and floor beam surfaces after primer painting. Areas that marked for repair were recorded for future repair. Areas requiring additional grinding were marked by QA and informed to ABF and ZPMC personnel.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

### Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Vibin	Quality Assurance Inspector
<b>Reviewed By:</b>	Patel,Hiranch	QA Reviewer

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